

Figure 1A

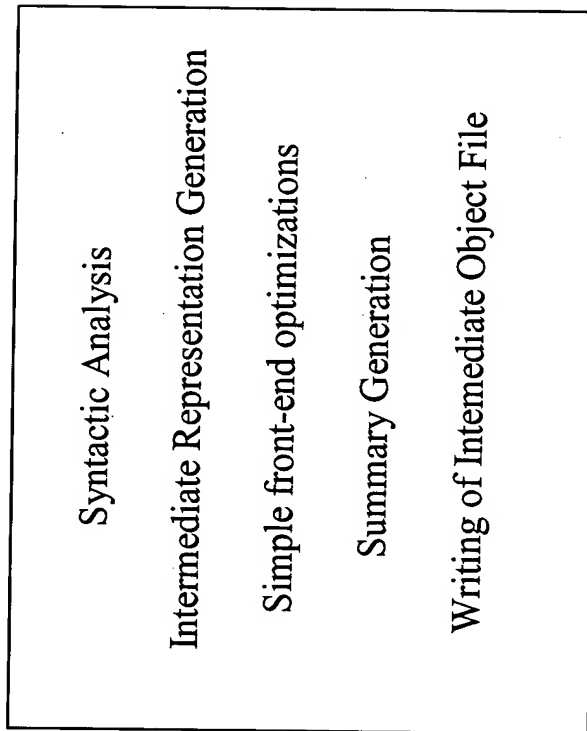


Figure 1B

Summary Retrieval

Cross-module data structures buildup

Inline Analysis  
[ includes continuous summary updates]

Inline Transformation  
[with dynamic generation of inline order]

Figure 1C

```
main0
{
    foo0;
    bar0;
}

foo0
{
    foo0();
}

bar0
{
    foo0();
}

foo0
{
    test1;
    test2;
    test3;
}

test1
{}

test2
{}

test3
{}

test10;
test20;
test30;
}
```

Figure 2A  
(Background Art)

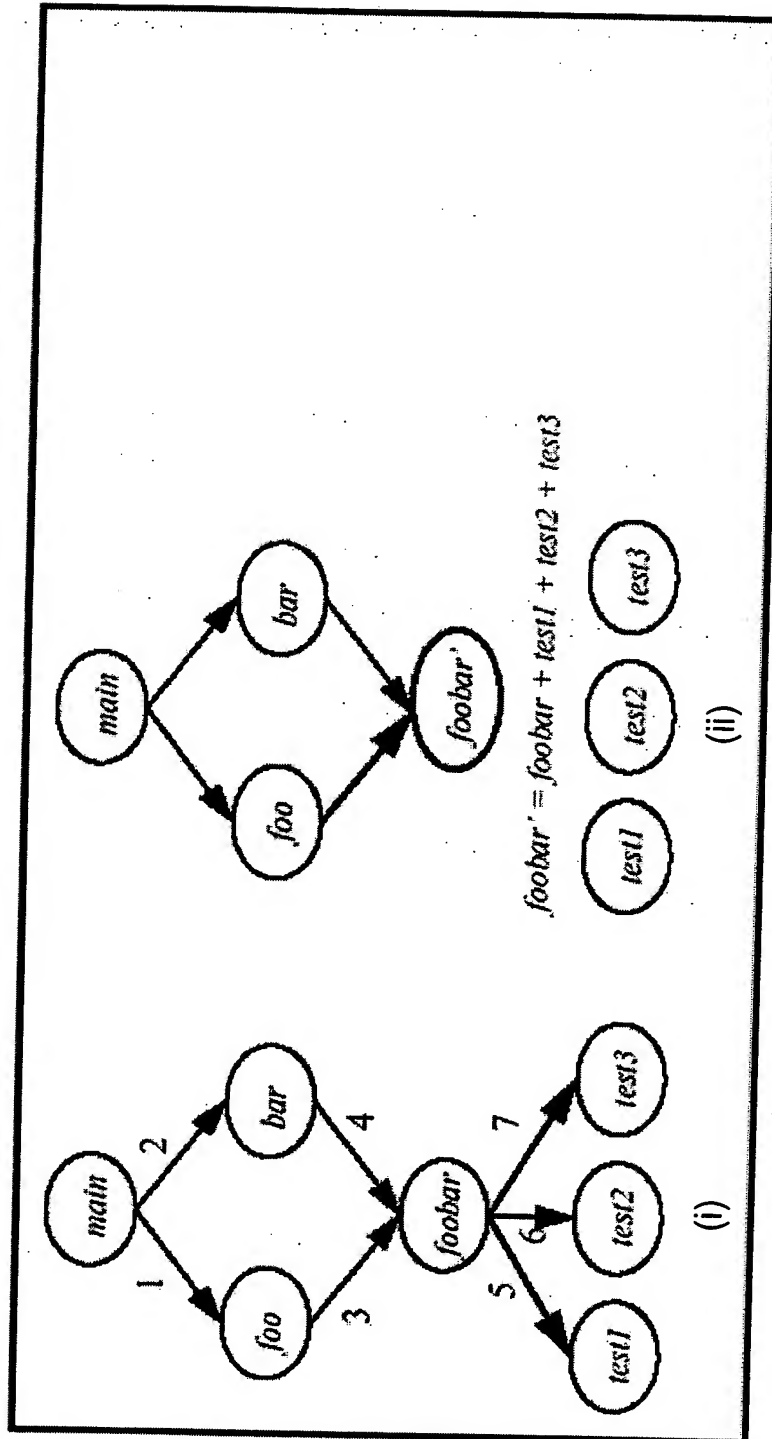


Figure 2B  
(Background Art)

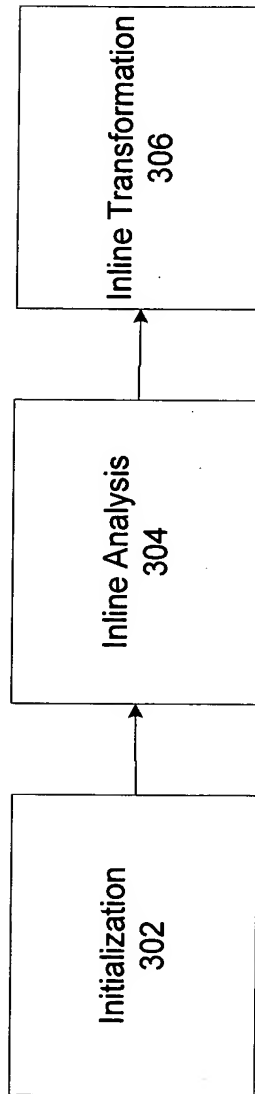


Figure 3

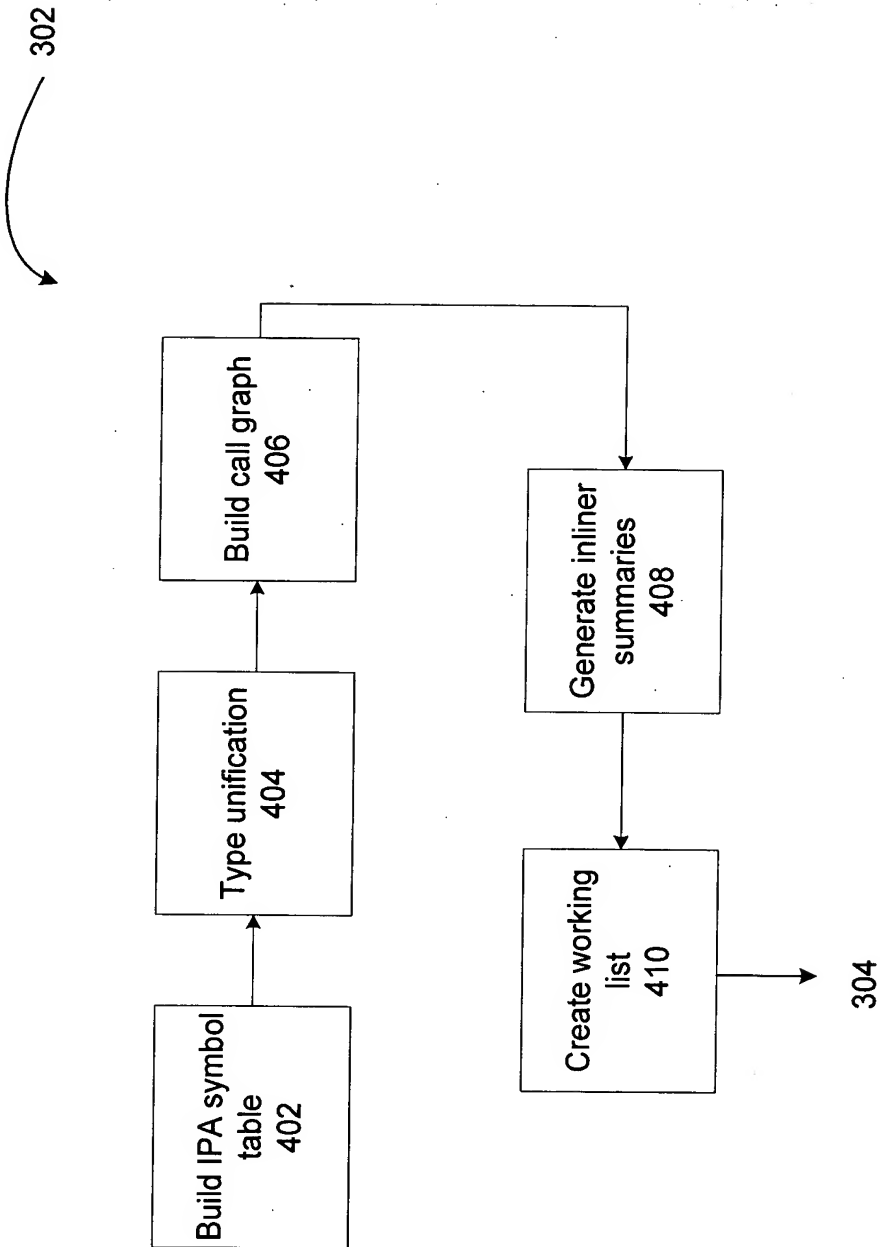


Figure 4

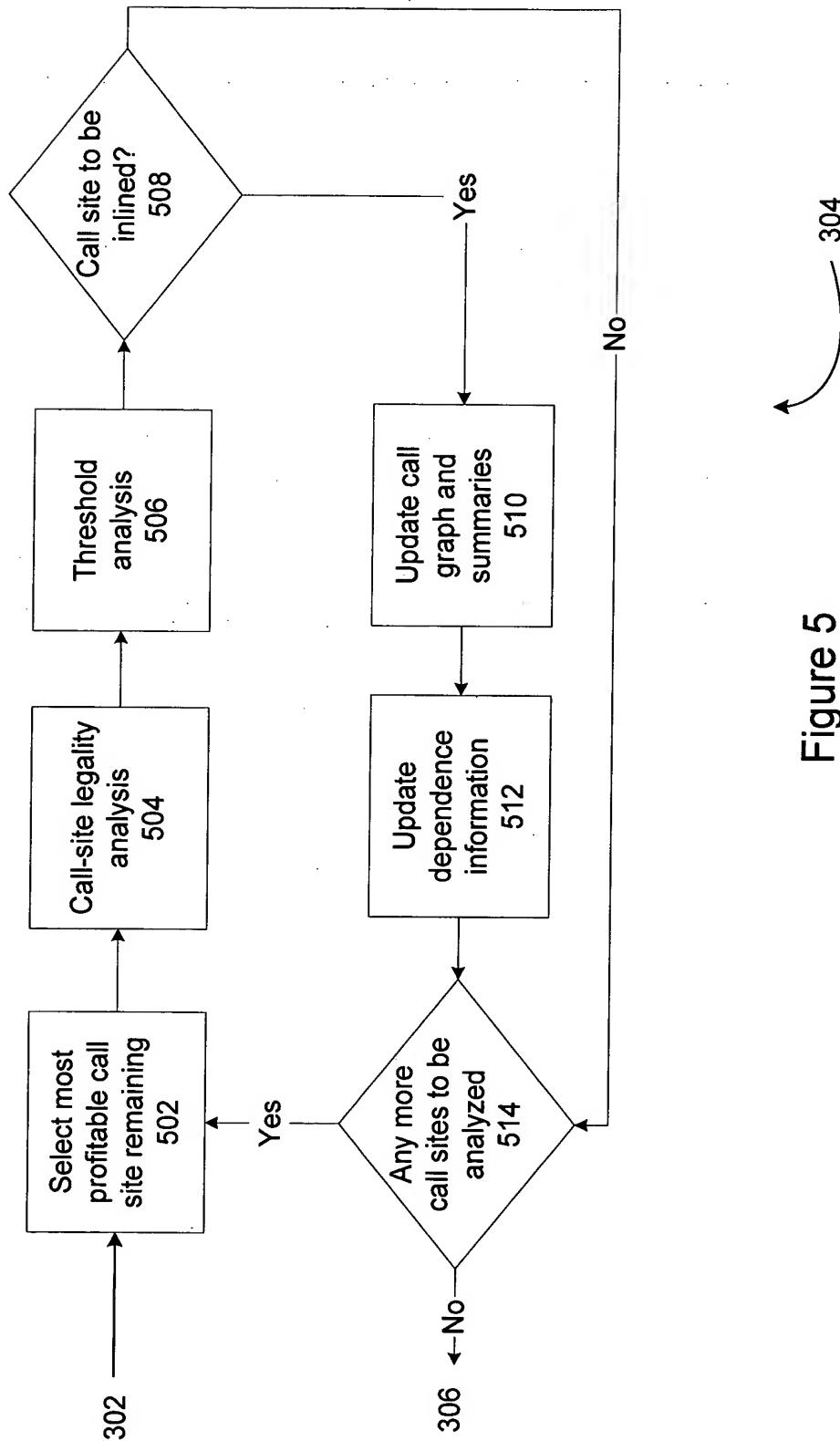


Figure 5



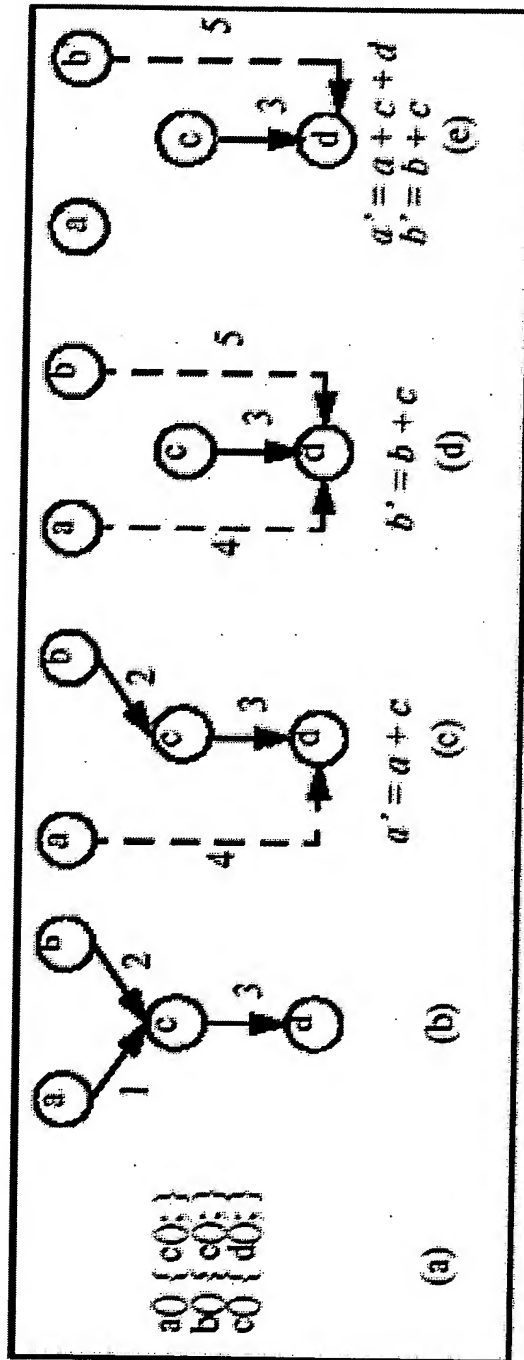


Figure 6

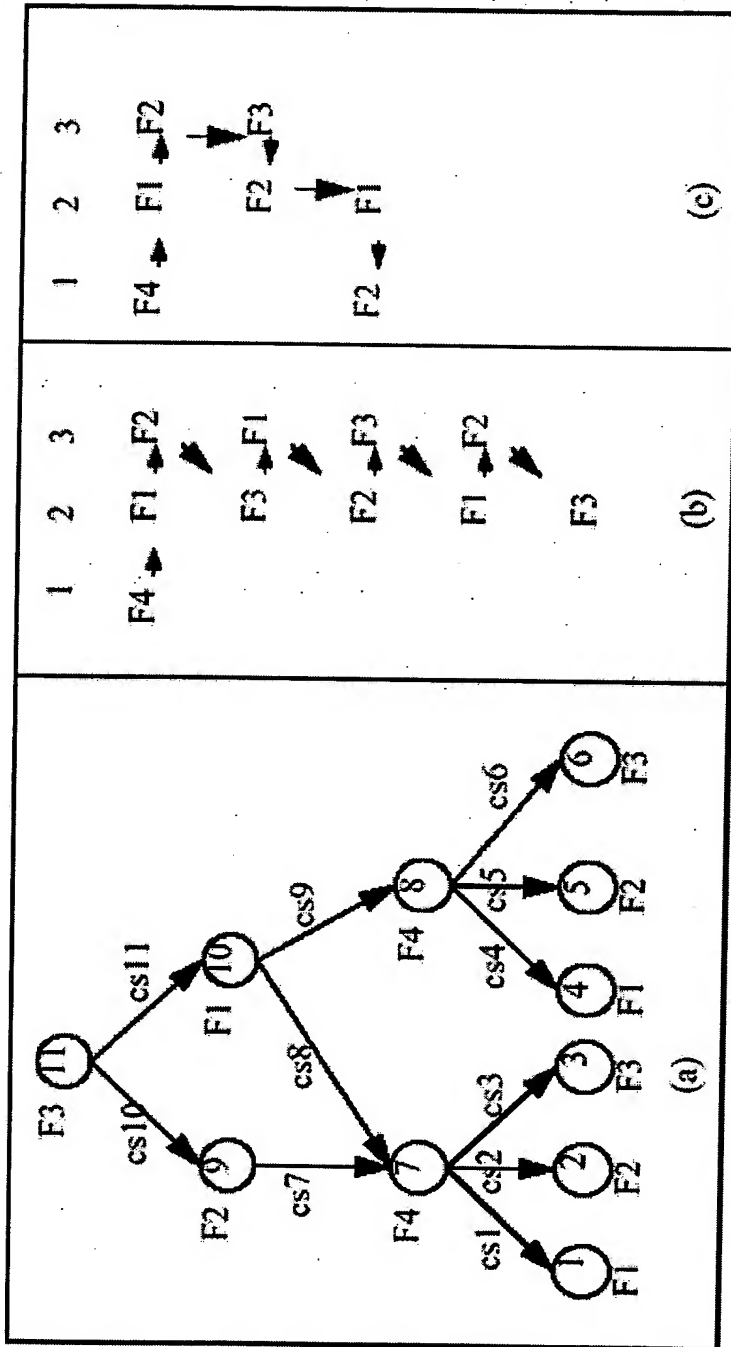


Figure 7

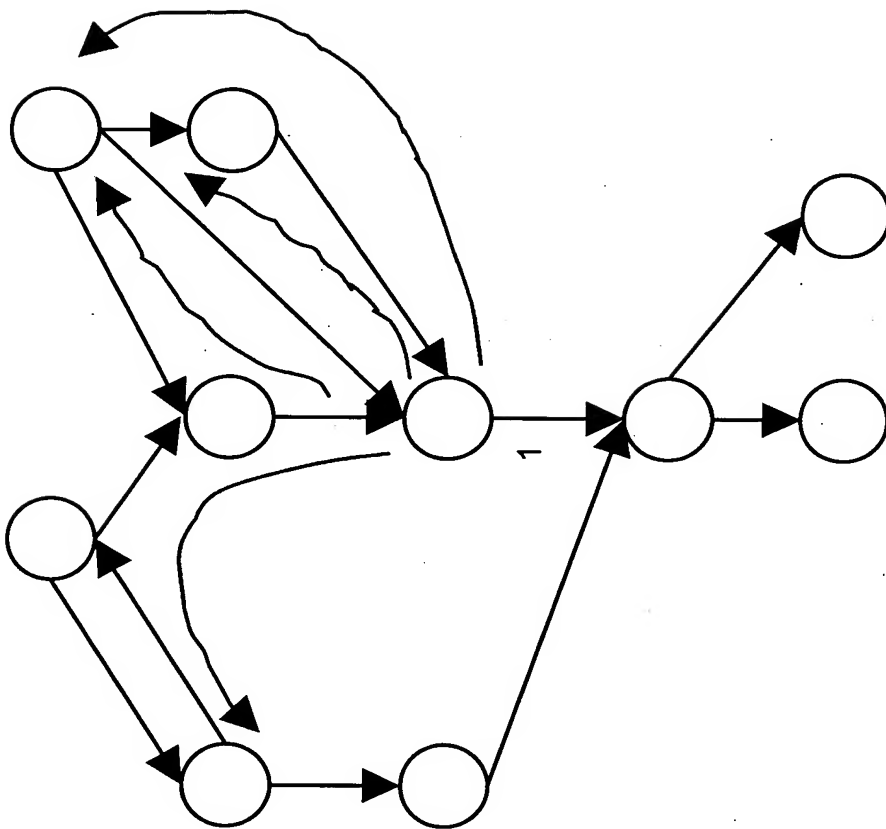


Figure 8

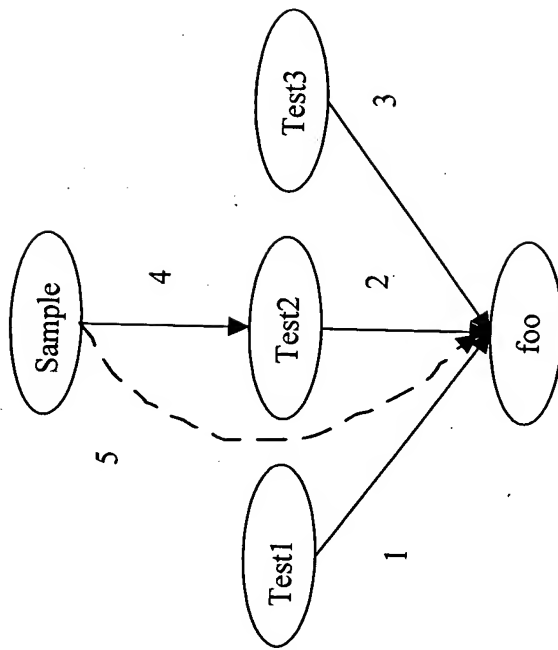


Figure 9

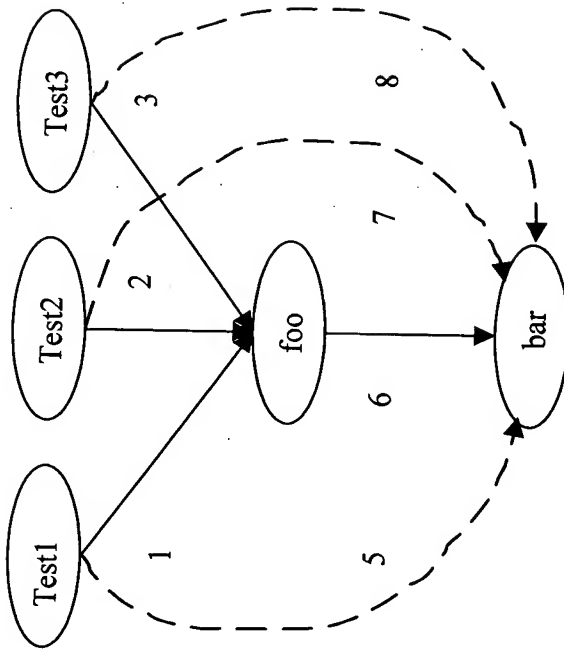


Figure 10

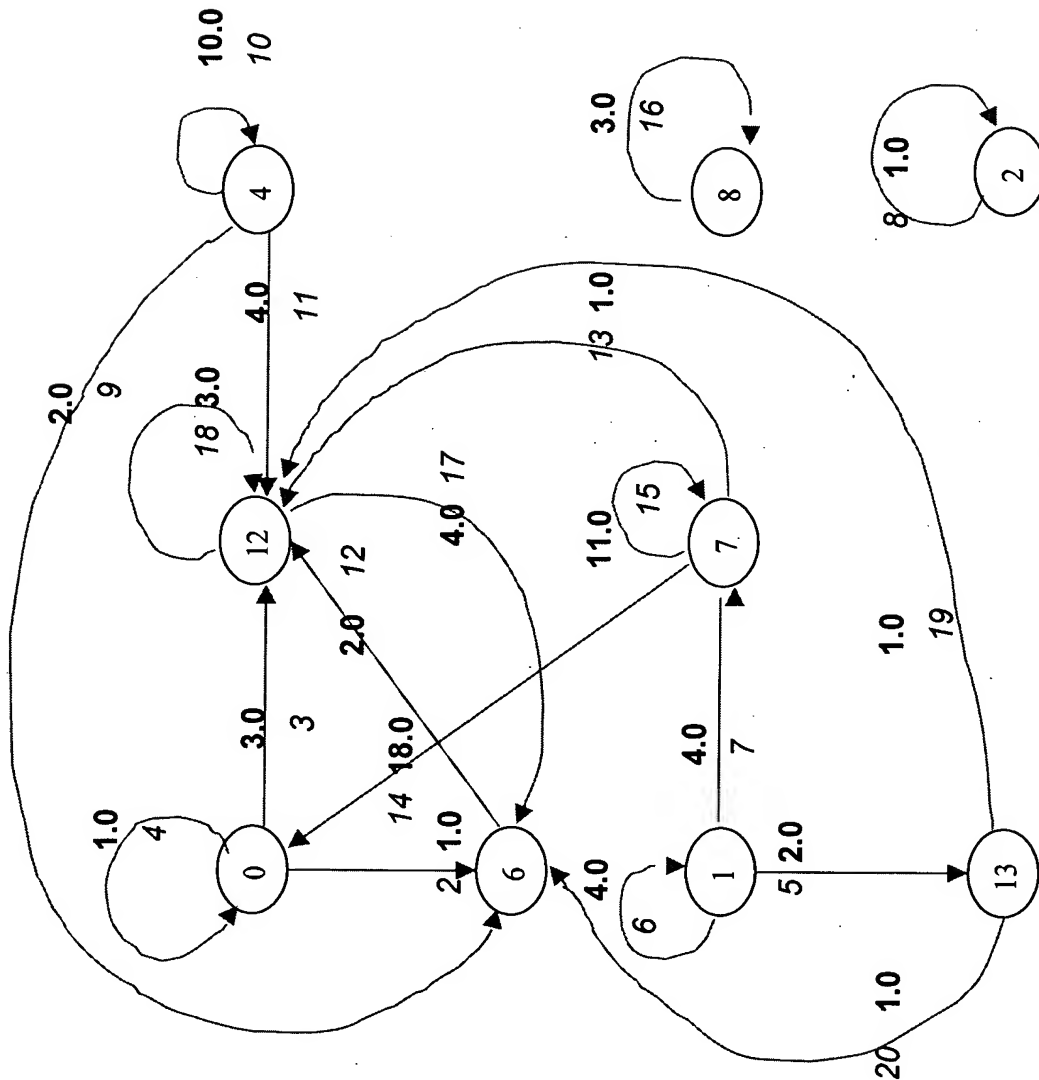


Figure 11

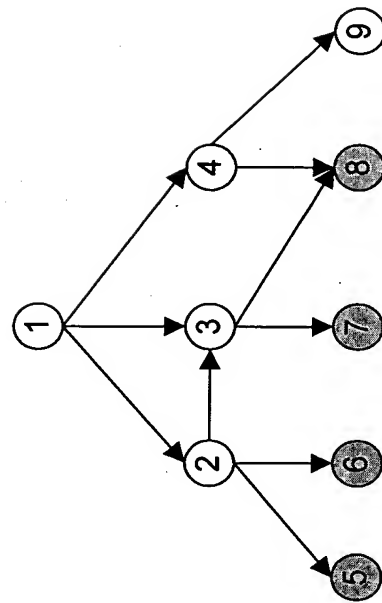


Figure 12